

Patent Abstracts of Japan

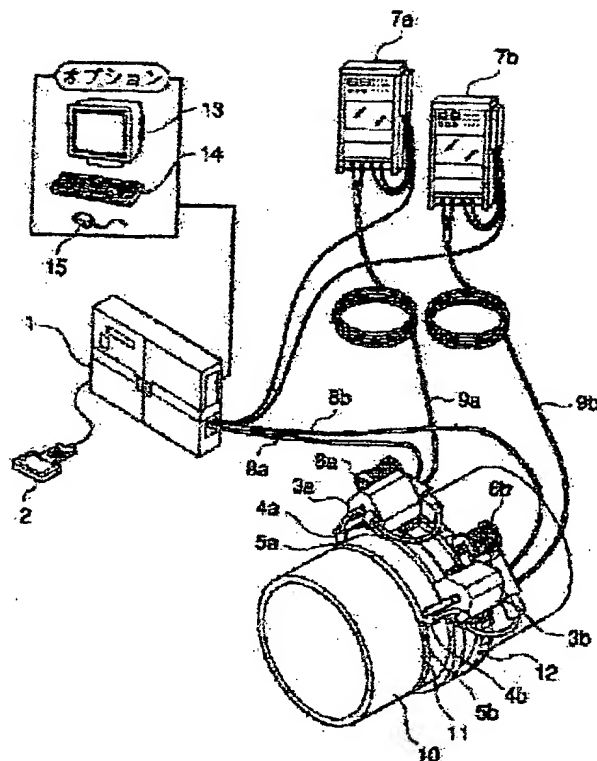
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TITLE : TWO-HEAD TYPE AUTOMATIC PIPE  
 CIRCUMFERENTIAL WELDING  
 EQUIPMENT



ABSTRACT : PROBLEM TO BE SOLVED: To reduce the load on an operator, and to improve the working efficiency by making an effective use of two heads during the welding work.

SOLUTION: In this welding equipment, two heads 3a, 3b to hold torches 4a, 4b are movably placed on the same track to perform the automatic welding of the circumference of a pipe. The welding equipment is provided with a remote operation panel 2 to operate two heads and a control means 1 having the function to synchronously control two heads according to the operation of the remote operation panel. The function to synchronously control two heads is the function in which shapes of grooves of a pipe to be welded are simultaneously and automatically measured at a plurality of parts on X-axis by the heads 3a, 3b in a sharing manner, or the function of interference avoidance to detect and avoid the interference of the heads 3a, 3b with each other.

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